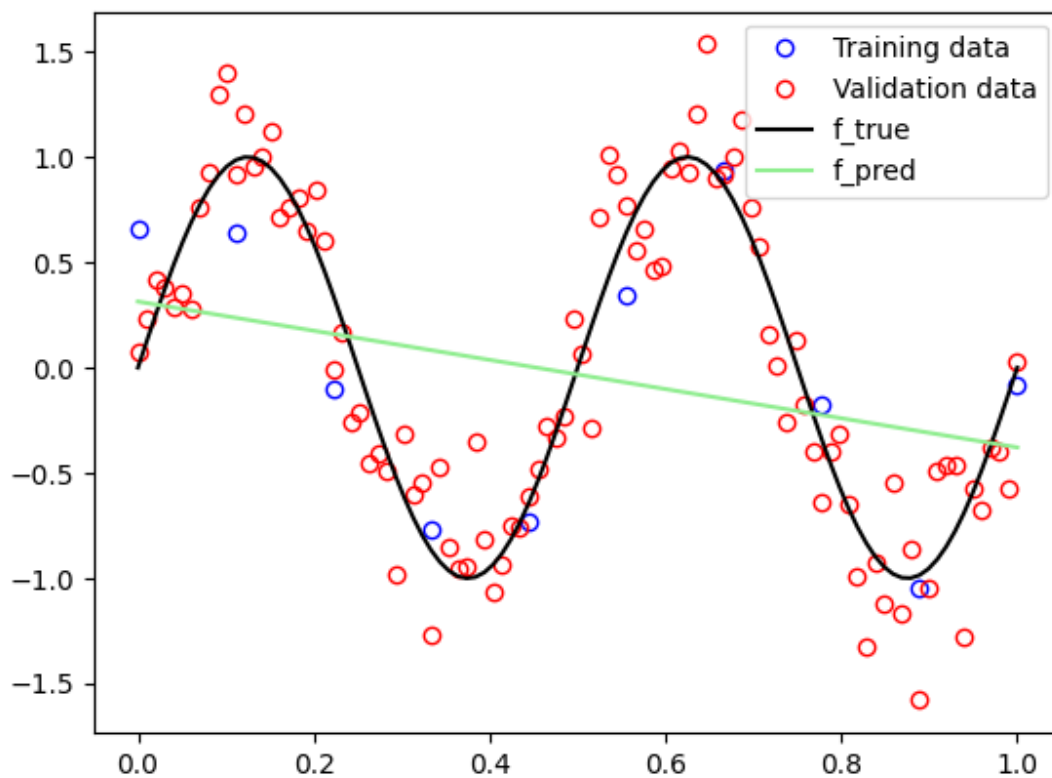# 4SL4 Assignment 1

Aaron Pinto

400190637
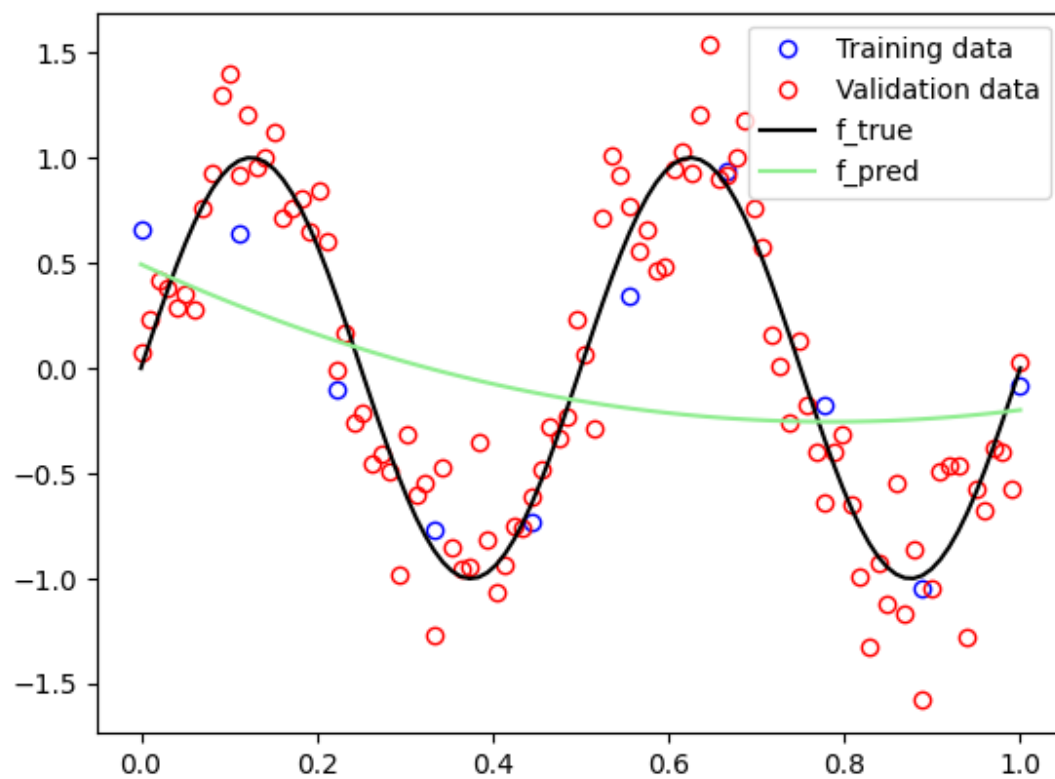
pintoa9

The training error decreased as expected as the polynomial degree grew larger. The validation error decreased and then increased at M = 7 as the polynomial degree grew larger. This is because the model was overfitting to the training data.
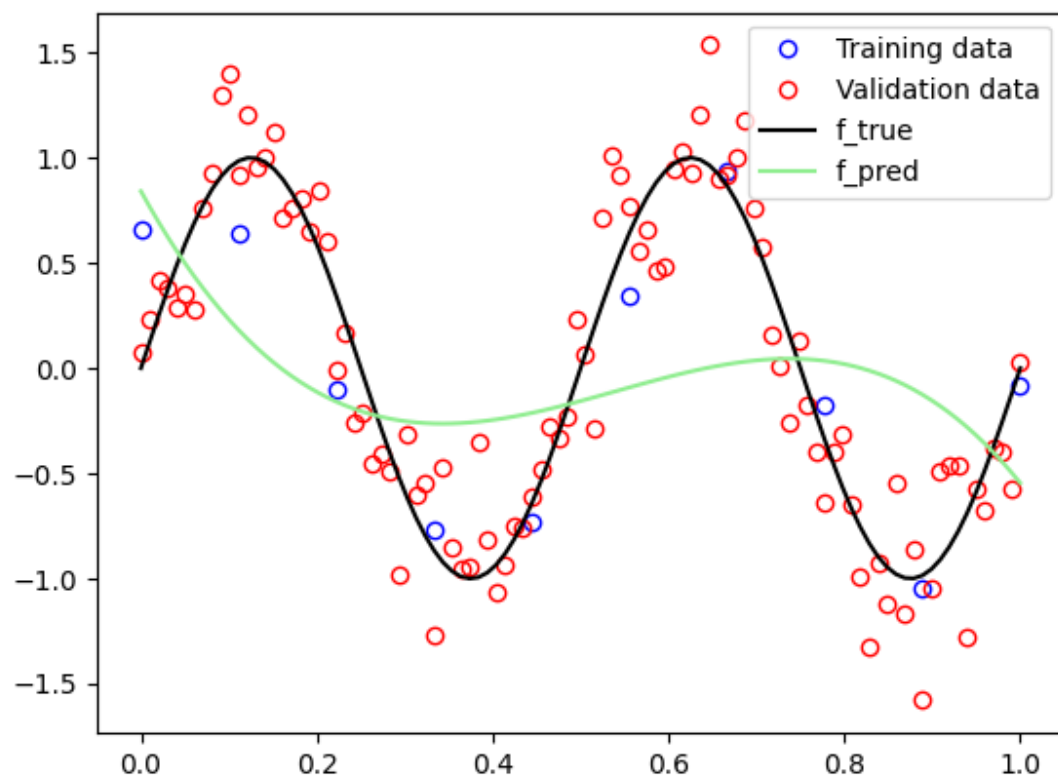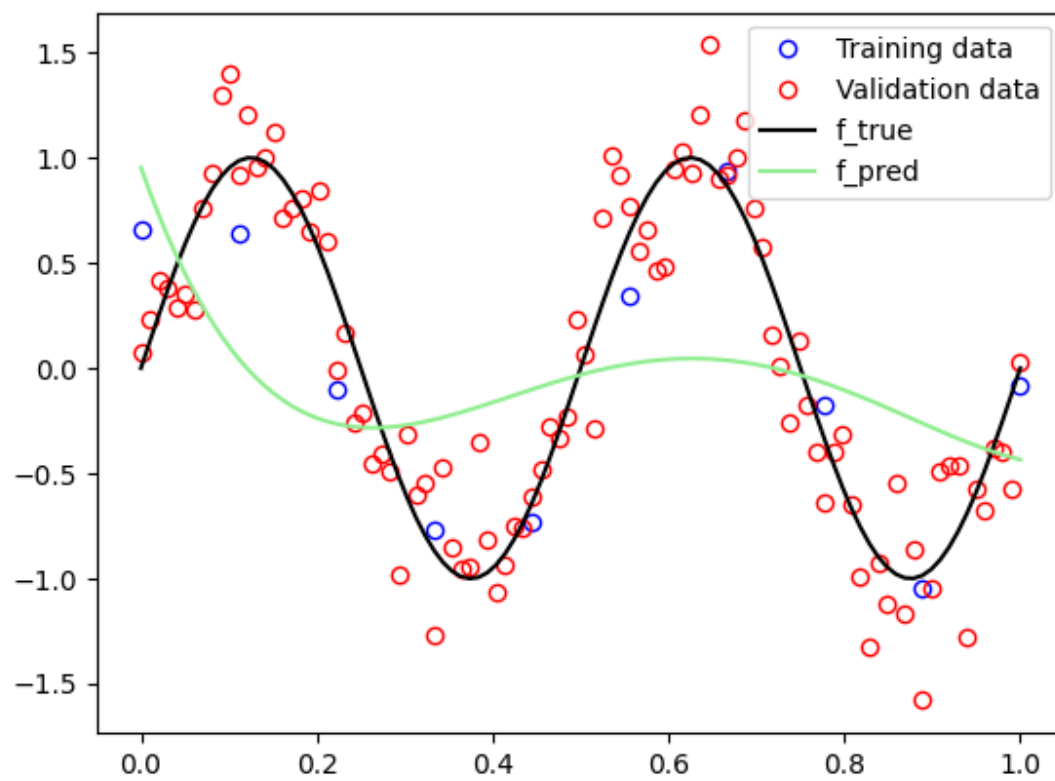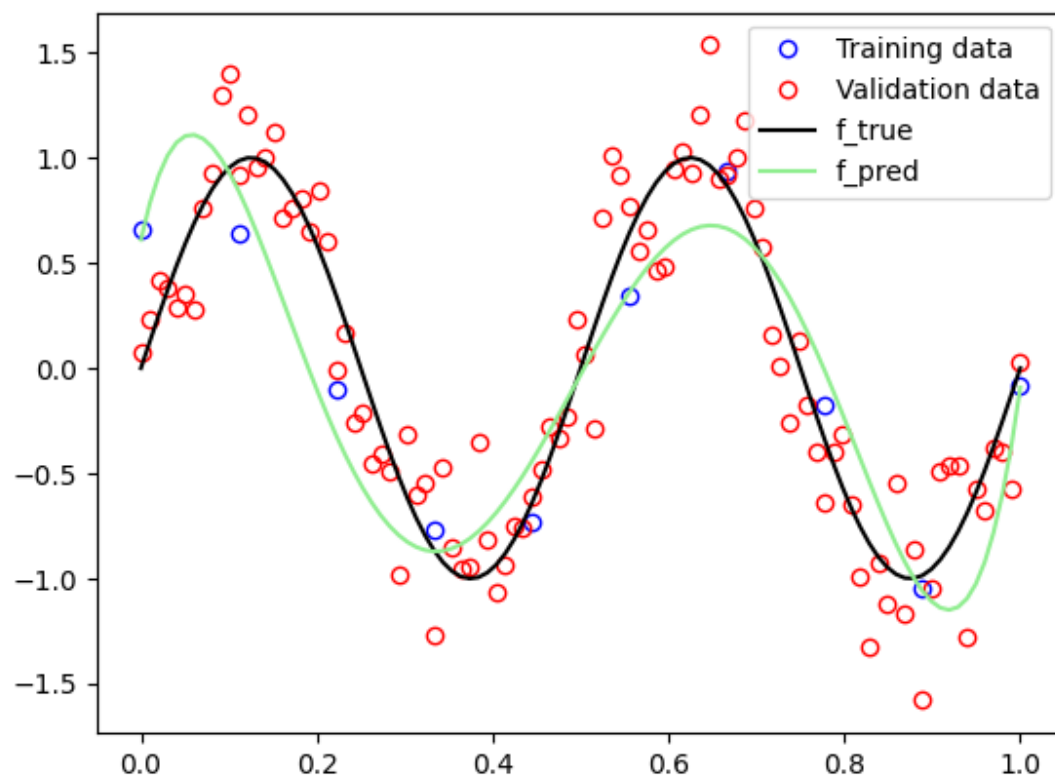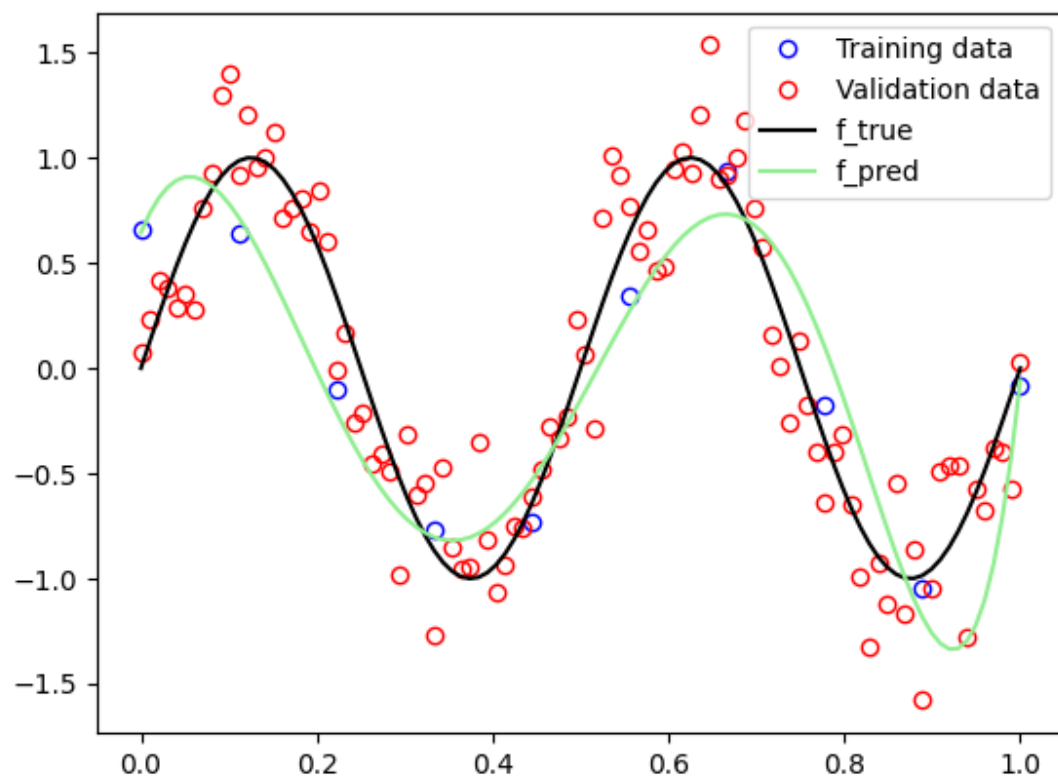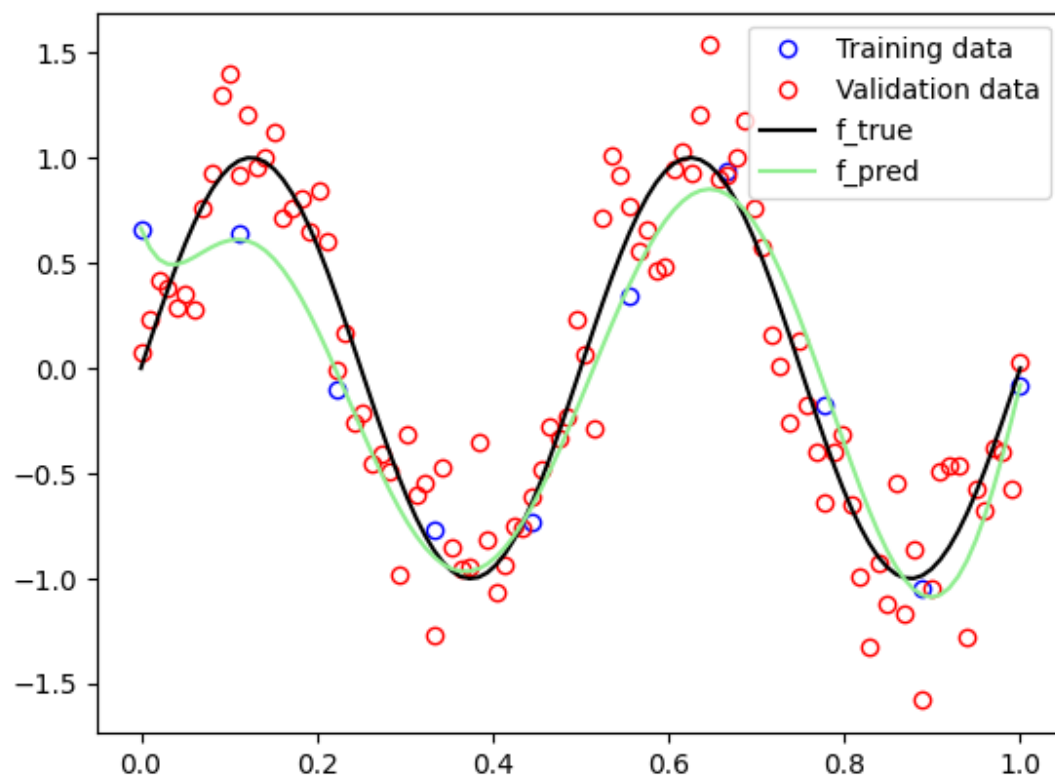
Degree 1

Degree 2

Degree 3

Degree 4

Degree 5

Degree 6

Degree 7

Degree 8
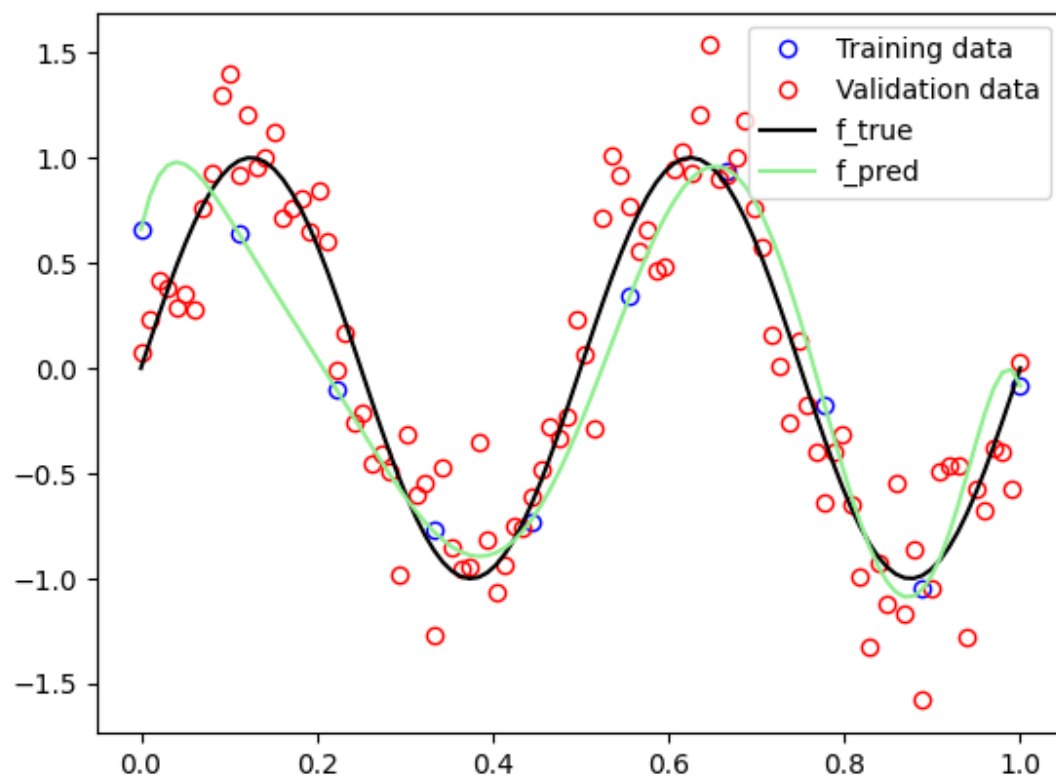
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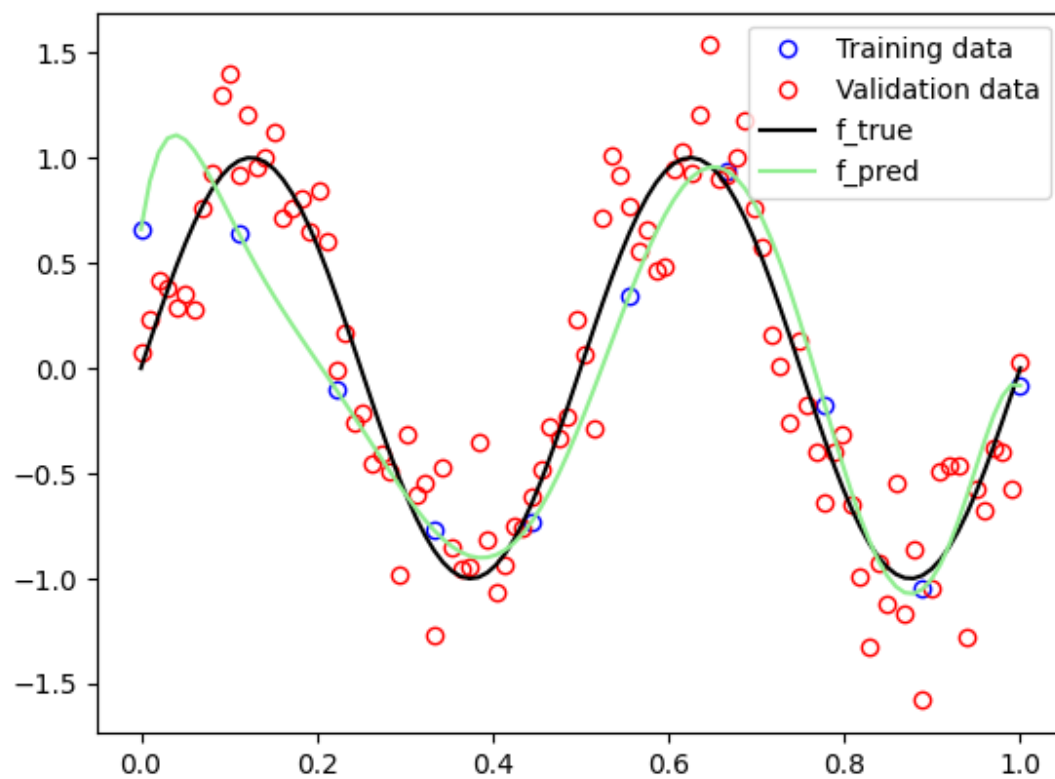
Lambda=e^-21.0

Lambda=e^-6.0

Errors vs M